

evacuating the treatment chamber after stimulated light emission activation has been shut off;

breaking vacuum in the treatment chamber;

unloading treated media.

19. A method according to claim 18 including the step of letting active monomer vapor to flow into the treatment chamber together with reverse unwinding of continuous media after the stimulated light emission treatment of said continuous media has been completed.

20. A method according to claim 18 including the step of precoating of continuous media prior to the start of stimulated light emission treatment.

ABSTRACT of the DISCLOSURE

A materials processing apparatus and a method of its utilization for surface modification and/or cleaning, sterilization, disinfection, film deposition, and etching of discrete objects, powder-like substances and continuous media by generating a stimulated light emission in the chamber wherein treated surfaces are placed. The apparatus may operate by itself or together with plasma chamber an/or means for adding an active monomer vapor.